



NEWSLETTER

INFOSPARK

DEC 24 - JUN 25

VISION

"To lead the field in Computer Engineering education and to develop student into globally qualified professionals with mastery of software development, a talent for research, and a commitment to moral principles "

MISSION

M1: To produce industry-ready Professionals, Innovators and Entrepreneurs through rigorous academics and cutting-edge technology courses.

M2: To cultivate teamwork and problem-solving abilities.

M3: To foster an awareness of ethical and societal duties.

Editor: Kritika Kori, Prof. Mayuri Vengurlekar

Established in 2009, the Department of Computer Engineering aims to address the growing demand for trained computer professionals. Currently, we offer a UG course in Computer Engineering with a capacity of 180 students and two specializations in PG. Our faculty is dedicated and highly motivated and provides training to our students using the latest computers and software, with a student-to-computer ratio of 1:1 and a 24x7 internet facility.

In addition to regular classroom teaching, we also conduct special soft skills training programs to develop our students' personality, communication skills, group discussions, and debate which are essential for better placement opportunities. Our department is well-known for its excellent academic results, and our faculty is engaged in research activities in various fields such as AI, robotics, machine learning, cybersecurity, cloud computing, blockchain technology, networking, and image processing.

Innovation begins with curiosity, and excellence follows with dedication. Let's continue to learn, lead, and inspire

H.O.D.

Dr. Nikita Kulkarni



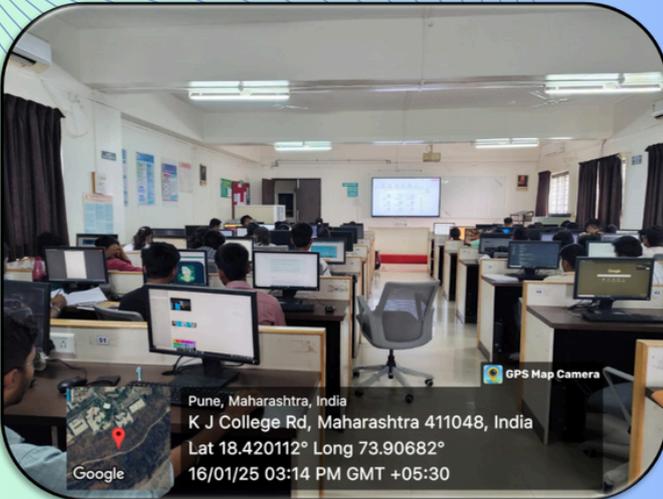
ACTIVITIES CONDUCTED



ISTE approved-STTP on Research Trends In Cloud Computing & Security [13 - 17th Jan 2025]



Parents Meet [18th Jan 2025]



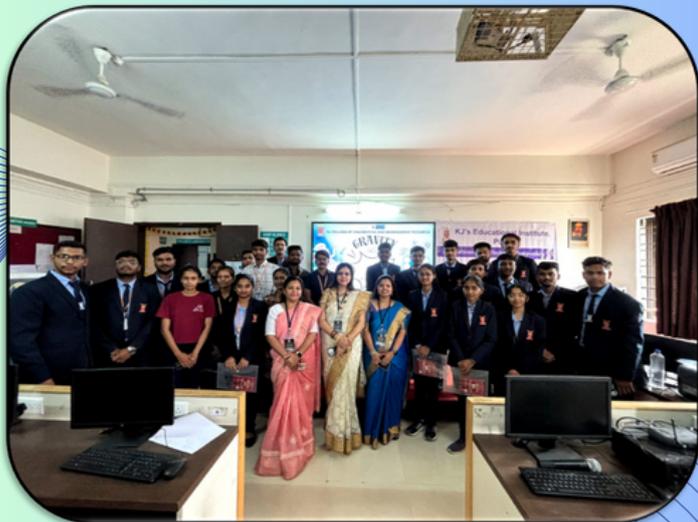
Value Added Program [13- 17th Jan 2025]



Blind School Visit 23rd Jan 2025



ACTIVITIES CONDUCTED



Gravity-Quiz Competition
[28th Jan 2025]



Counselling Session by Dr. Hemant Deshmukh
[13th & 20th Feb 2025]



Three days Eduskills Techcamp on AWS Cloud Foundation
[11th - 13th Feb 2025]



Counselling Session by Principal Dr. Suhas Khot
[21st Feb 2025]



Pune, Maharashtra, India
KJ College of Engineering and Management Research, Trinity
College Rd, Maharashtra 411048, India



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Felicitation of our student Sargam Puram for 10 pointer in SPPU Exam
[14th Feb 2025]



ACTIVITIES CONDUCTED



**Marathi Bhasha Divas
Celebration [27th Feb 2025]**



**Guidance Session By Our Alumni
Harshad Salunke [28th Feb 2025]**



**Counselling Session by Principal Dr.
Suhas Khot [21st Feb 2025]**



**Students Discussion with Principal
Dr. Suhas Khot [21st April 2025]**



**Christening Ceremony of Dr. A. P. J. Abdul Kalam "Center of
Excellence" in Artificial Intelligence [26th March 2025]**



ACTIVITIES CONDUCTED



Industrial Visit [27th March 2025]



Workshop on Big Data Analytics for TE Students [16th April 2025]



Full stack web development workshop [8th April 2025]



GATE Session [8th April 2025]



Counselling session by the Principal, Dr. Suhas Khot [18th April 2025]



Student Achievements

A.Y. 2024-25



KJCOEMR COMP Team secured 2nd Position in KHO-KHO at campus level Sports Competition Maidan- 2k25 [28th Jan 25]



KJCOEMR COMP Team secured 2nd Position in Volleyball at campus level Sports Competition Maidan 2k25 [28th Jan 25]

TE students of Computer Engineering secured 7th position in IBM Hackathon. This accomplishment was also featured in the Sakal, Loksatta & Hadapsar edition of the local newspaper, further highlighting the talent and dedication of our students.





Student Achievements

A.Y. 2024-25



TE students Sargam Puram ,Tejas Shinde ,Kartik Shingade and SE Student Om Rakibe received second runner up prize of Rs 10000 at VOIS Inter-College Tech Marathon on 25th April 2025.



TE students of Computer Engineering secured 7th position in IBM Hackathon among 68 groups of 34 different Engineering colleges. Hackathon at Hotel Coriental, Handewadi, Pune on 31st Jan 2025

Our student, Miss Sargam Puram from TE student won first prize among 1500+ participants in the Zensar-sponsored SheInspires Hackathon, conducted at MIT ADT University, Loni kalbhor.





Student Achievements

A.Y. 2024-25

Mr. Samarth Dhoble got participation certificate in

InnovateYou Techathon 2.0 – National level 24 hours hackathon competition at AISSM IOIT PUNE on 22nd and 23rd Feb 2025 .



Mini Hackthon in Perception 25 hosted by AIMSSS club of AI/ML Dept Pune on 17th Feb 2025.



Eduskills Tech camp on AWS foundation on 10th and 12th Feb 2025





Placements

A.Y. 2024-25



Arya Nitin Deopurkar
RINEX 10 LPA



Ramkrishna Masan
RINEX 10 LPA



Mustafa Nanderwala
RINEX 10 LPA



Suraj Suryawanshi
Centelon 5.2 LPA



Saniya Devale
Sasken 5 LPA



Parul Patil
CocoTechoes 4.5 LPA



Jannatul Firdous Aslam Attar
Infosys /Avai Space 4 LPA



Mohid Khurshid Sherika
OptByte 4 LPA



Zeeshan Rashid Shaikh
Weikfield 4 LPA



Soham Bhamare
Mechlin Technoiges /Peoplelink
4 LPA



Manasi Gaikwad
Infosys 3.6 LPA



Siddhesh Deshmukh
Peoplelink 3.6 LPA



Aditi Ghugarkar
Peoplelink 3.5 LPA



Ankita Kadam
Peoplelink 3.5 LPA



Sakshi Loni
Peoplelink 3.5 LPA



Arjun Manure
Peoplelink 3.5 LPA



Prathamesh Bamne
Peoplelink 3.5 LPA



Faculty Achievements

A.Y. 2024-25

Journal Publications:

Dr. Nikita Kulkarni

1. From Theory to Practice: Simulating Zero Trust Architecture with Python for Cybersecurity in a Scopus-indexed ASEAN Journal on Science and Technology for Development.
2. Human in Loop Machine Learning: A Paradigm Shift in Panamerican Mathematical scopus indexed Journal.
3. Adaptive Multidimensional trust-based recommendation model for peer to peer applications in DE GRUYTER.
4. Anticipating Solar Photovoltaic Panel Output One Day in Advance with Gaussian Mixture Model” in IEEE Explore.

Dr. Shankar Amalraj

1. Comprehensive study on Economic Investment in Solar Power Plants Using CuO and Al₂O₃ Nanofluid Cooling Mechanism in the SCI Journal Case studies in Thermal Engineering.

Dr. Aparna Hambarde

1. Machine Learning Based on Graphs for Predictive Modeling in Intricate Network Data” in a Scopus-indexed Journal of University of Shanghai for Science and Technology.
2. UTILIZING A HYBRID GRU INTRUSION DETECTION SYSTEM TO IMPROVE THE SECURITY OF IOT-BASED SMART FARMING” in a Scopus-indexed journal of Journal For Basic Sciences.
3. USING RANDOM FORESTS AND INTERNET OF THINGS SENSORS TO OPTIMIZE” in a Scopus-indexed journal of COMPUTER RESEARCH AND DEVELOPMENT.

Prof. Mayuri Vengurlekar

1. Review on Animal Species Recognition Using Transfer Learning Vgg-16 Model” in the International Journal of Data Science and Artificial Intelligence (IJDSAI)

Prof. Ashwini Kamble

“Decentralized Blockchain Based disk rental system with enhanced security and efficiency” in International Journal of Data Science and Artificial Intelligence (IJDSAI)

Prof. Sheetal Nirve

1. A Research Paper on AI Music Generator Using Streamlit and Music Gen” in International Journal of All Research Education & Scientific Methods.

Prof Geetanjali Bansod

1. Detecting Fraud in UPI transaction: A study using XGBoost & Random Forest” in International Journal of Scientific Research in Engineering and Management (IJSREM)
2. Legal and Management Framework for AI-Powered IoT Communication in Medical Device Systems: A Regulatory Analysis” in a Scopus indexed Journal Frontiers in Health Informatics.

Prof. Harsha Jain

1. A Survey On AR Educational Applications: Enhancing Learning through Augmented Reality” in International Journal of Data Science and Artificial Intelligence (IJDSAI)
2. Digital Image Forgery Detection using Deep Learning” in the International journal of Research in applied Science and Engineering Technology (IJRASET)



Faculty Achievements

A.Y. 2024-25

Conference:

❖ Dr. Nikita Kulkarni, Dr. Shankar A, and Prof. Geetanjali Bansod presented their paper on “Development of optimized Ensemble Machine Learning model through XG Boost and Random Forest for UPI fraud Detection” at the 9th International Springer Nature Conference [ICTIS-2025] in Bangkok, Thailand.

❖ 40 papers are presented in 3rd International Conference on Innovative Trends in Engineering and Technology [ICITET – 2025] by Computer Department [UG: 33, PG:07].

Patent:

❖ Prof. Ulka Bansode published an Indian Patent on a “Machine Learning-based Predictive Model for Leaf Nutrient Deficiency Detection in Crops.”

Copyright :

❖ The Computer Department filed total 39 copyrights. [UG:32 & PG:7]

NPTEL Course:

❖ Prof. Mayuri Vengurlekar completed the “Natural Language Processing” course offered by NPTEL at the national level. [Jan-Apr 2025]

❖ Prof. Ulka Bansode completed the “Deep Learning” course offered by NPTEL at the national level. [Jan-Apr 2025]

Faculty Development Programs:

During the current semester, around 15 faculty members actively participated in various Faculty Development Programs (FDPs) and Short-Term Training Programs (STTPs) across diverse domains such as Artificial Intelligence, Machine Learning, Cloud Computing, Cybersecurity, Quantum Computing, Renewable Energy, and Pedagogical Strategies, thereby enriching their academic and research competencies."

International Session Chair:

❖ Dr. Nikita Kulkarni & Dr. Shankar Amalraj has invited as a session chair for Springer Nature’s 9th International Conference [ICTIS-2025] in Bangkok, Thailand.



Faculty Achievements

A.Y. 2024-25

Dr.Nikita Kulkarni & Dr.Shankar Amalraj has Invited as a Session Chair for 9th Springer Nature International Conference ICITS-2025 Thailand [4th -6th April 2025]



Dr.Nikita Kulkarni, Dr.Shankar Amalraj & Prof.Geetanjali Bansod has Presented a Paper In 9th Springer Nature International Conference ICITS-2025 Thailand [4th -6th April 2025]



Elite

NPTEL ONLINE CERTIFICATION

(Funded by the MoE, Govt. of India)



This certificate is awarded to **MS ULKA MADHUKAR BANSODE** for successfully completing the course



Deep Learning - IIT Ropar

with a consolidated score of **66** %

Online Assignments	14.5/25	Proctored Exam	51.28/75
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Total number of candidates certified in this course: 3779

Prof. Andrew Thangaraj
Chair
Centre for Outreach and Digital Education, IITM

Jan-Apr 2025
(12 week course)

Prof. Vignesh Muthuvijayan
NPTEL Coordinator
IIT Madras



Prof.Ulka Bansode NPTEL Certification In Deep Learning



COMPUTER DEPARTMENT BATCH 2024 - 25





COMPUTER DEPARTMENT BATCH 2024 - 25

Congratulations

**FROM THE DEPARTMENT OF
COMPUTER ENGINEERING**

**Celebrating Excellence, Dedication, and Hard
Work!**

**We extend our heartfelt congratulations to all our
outstanding students for their exceptional
achievements in academics, hackathons, sports,
cultural events, and national-level competitions.**

**Your success reflects the values and spirit of K J
College of Engineering and Management Research.**

Keep Shining – The Future is Yours!

 **Department of Computer Engineering**

 **KJCOEMR | Academic Year 2024–25**